

DESCRIPTION

ACUCAL Upright Biological microscope is advanced modular, research grade microscope equipped with excellent Universal Infinity System (UIS) optical system & wide field eyepieces. Biological Microscopes are compound microscopes that are primarily used to observe and study organisms and microorganisms. This microscope provide clear image, wide field, convenience operation.



APPLICATIONS

- It is widely used in biology medicine agriculture, educational, academic and research field.
- To View blood cells, cheek cells, parasites, bacteria, algae, tissue, and thin sections of organs.
- To view samples that cannot be seen with the naked eye.
- Ideal instrument in medical treatment, teaching demonstration and scientific research.

TECHNICAL SPECIFICATION

Optical System

- High Contrast, Plan Infinity Corrected , Strain free Optical System

Observation Head

- Binocular/Trinocular Observation head inclined at 30°.
- Diopter adjustment Facility ± 5 on Eyepieces

Eyepiece

- High Eyepoint Wide field 10X (paired) F.O.V. 22mm
- Anti-fungal & Anti-reflection hard coated

Nose Piece

- Backward Quadruple Revolving , ball bearing type with positive click stops
- Quintuple (Optional)

Objectives:

High Contrast Plan Infinity Corrected Anti-fungal & Anti-reflection, Uniformly Centred, Interchangeable & Parfocal

- PL 4X/0.10, Working Distance 19.8mm
- PL 10X/0.25, Working Distance 5.0mm
- PL 40X/0.65 (spring) , Working Distance 0.66mm
- PL 100X/1.25 (spring, oil) , Working Distance 0.36mm

Mechanical Stage

- Double layer Size 193mm X 155mm, X/Y Travel Range 75mm X 50mm.
- Spill resistant, Coaxial stage with right hand low drive control with rotating mechanism and torque adjustment.

Condenser

- Centerable Abbe Condenser NA 1.25
- Rack & Pinion adjustable

Focusing Control

- Co axial Coarse and Fine focusing on gear systems for smooth operations.
- High sensitive Fine Division 2 μ m per rotation
- Stage Height Movement by roller guide (Rack & Pinion)
- With limit stopper, Tension Adjustable

Illumination

- 6V/20W Halogen Lamp. LED illumination (Optional)
- With Continuous variable control.
- Blue Filter & Ground Glass.

Electronics

- Kohler Universal Input 100-240 V AC, 50/60 Hz.

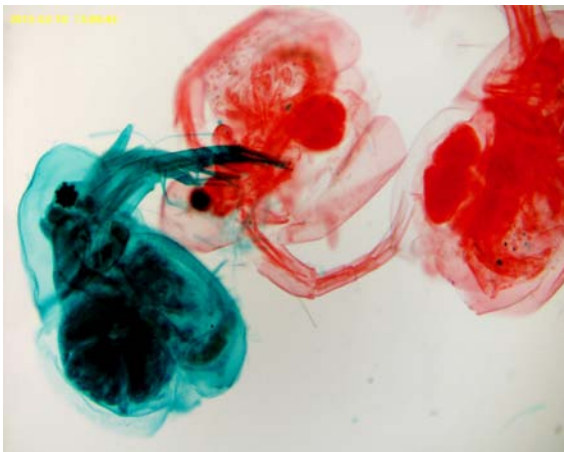
Standard Accessories

- Operating Manual, Dust Cover, Guarantee Card and Styrofoam Molded pack.

FEATURES :

- Color corrected infinity optical system
- Ergonomic design, low location of coaxial focus system
- Wide field, excellent image and high resolution
- LED and halogen lamp for options
- Complete optional accessories

EXCELLENCE THROUGH EXPERIENCE



Daphnia (whole_mount)



Earthworm (cross_section)